

STATE OF SOUTH AUSTRALIA.

FINAL RESULTS OF CEREAL AND HAY HARVEST, 1937-38.

WHEAT 1937-38 - 43,403,263 Bush. Aver. per acre 13.73 Bush.  
 WHEAT 1936-37 - 28,714,653 Bush. Aver. per acre 9.39 Bush.

There are still a few minor Wheat Districts where the completion of the collection has been delayed and a number of odd returns from farmers in other Districts outstanding, but, rather than further delay the final results, a safe estimate has been made for all these and hence the totals now submitted may be accepted subject to slight alteration.

I. SURVEY OF CONDITIONS, &C. The base reports for the Official December Forecast were furnished prior to the December rains and gave a base total yield of approximately 42,000,000 bushels. The general impression received at the time was that the heavy rains had caused considerable damage and, after various consultations, the base estimate was reduced and published as 38,000,000 bushels. Later reports indicated that the damage done was not so serious as was at first thought and the crops generally proved to be much better than expected, the total yield as per actual returns now received being 43,403,263 bushels. The same remarks apply to other cereals, the barley yield being 8,401,525 bushels compared with the published estimate of 6,700,000 bushels and oats 2,994,850 bushels compared with 2,600,000 bushels.

The Wheat Yield is the third highest on record, while the Barley crop exceeded the previous record by approximately 2,000,000 bushels and the Oats crop was a record by over 500,000 bushels.

II. GROWERS AND ACREAGE SOWN.

WHEAT GROWERS - There were 13,910 (13,837) Growers of Wheat for all purposes for the Season 1937-38, and of this number 12,996 (12,923) reaped areas for grain. 1,754 (1,811) reaped areas of under 50 acres. Share farmers are counted once only.

ACREAGE - The grand total acreage sown to Wheat, Barley and Oats for all purposes was 4,546,719 (4,412,088) acres, an increase on the previous year of 134,631 acres.

WHEAT - 3,359,425 (3,307,689) acres - Grain 3,161,194 (3,058,457) acres, Hay 196,191 (243,561), Fed off, &c. 2,040 (5,671).

BARLEY - 432,057 (332,926) acres - Grain 406,030 (304,559), Hay 5,358 (4,471), and Fed off 20,669 (23,896).

OATS - 755,237 (771,473) - Grain 332,262 (414,723), Hay 341,808 (277,413), Fed off &c. 81,167 (79,337).

III. PRODUCTION AND AVERAGES PER ACRE.

WHEAT - 43,403,263 (28,714,653) Bushels, Increase 14,688,610 bushels, - averaging 13.73 (9.39) Bushels per acre.

BARLEY - 8,401,525 (4,260,462) Bush. Increase 4,141,063 bushels, averaging 20.69 (13.99) Bushels per acre.

OATS - 2,994,850 (2,363,806) Bushels, Increase 631,044 bushels averaging 9.01 (5.70) Bushels per acre.

HAY (Wheaten, Oaten and Barley) - 656,293 (478,435) tons, increase 177,858 tons - averaging 1.21 (0.91) tons per acre. Distributed as follows - Wheaten 274,890 (254,136), Oaten 375,090 (221,011), Barley 6,313 (3,292) tons.

IV. BENEFITS FROM FALLOWING.

Of last Season's Wheat Crop 2,320,935 (2,193,470) acres sown on fallow yielded 36,757,561 (24,611,242) Bushels averaging 15.84 (11.22) Bushels per acre and 840,259 (864,987) acres sown on unfallowed land yielded 6,645,702 (4,103,411) Bushels averaging only 7.91 (4.74) Bushels per acre thus making the State average 13.73 (9.39) Bushels per acre.

The following return illustrates the benefit from cropping wheat on fallowed land.

Grown on	Wheat Yield per acre				
	1937-38	1936-37	1935-36	1934-35	1933-34
Fallow	Bush. 15.84	Bush. 11.22	Bush. 12.81	Bush. 11.02	Bush. 11.60
Not fallowed	7.91	4.74	5.34	2.98	4.78
Total	13.73	9.39	10.58	8.61	9.26
RAINFALL - April-Nov.	Inches 11.78	Inches 10.00	Inches 12.08	Inches 11.97	Inches 12.15

V. RAINFALL - The mean monthly rainfall over the Agricultural Areas of the State is specially computed and recorded in comparison with the averages for the past 32 years. The following are the particulars in inches of the rainfall from April to November in each Division.

Year	Whole State	Central	Lower North	Upper North	South East.	Western	Murray Mallee
RAINFALL	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.
1937	11.78	15.16	13.11	8.70	14.91	11.05	8.92
1936	10.00	12.58	2.50	6.06	18.48	8.23	8.69
Av. 5 years	12.00	14.86	11.00	7.32	18.52	10.39	9.19
" 32 "	12.62	16.03	12.18	8.81	19.52	11.04	10.43
Wheat Yield	Bush.	Bush.	Bush.	Bush.	Bush.	Bush.	Bush.
1937	13.73	16.54	18.37	13.03	20.52	9.36	11.47
1936	9.39	13.38	11.38	7.22	24.08	6.00	8.80
Av. 5 years	10.32	14.38	14.81	8.19	18.34	7.13	7.43
" 32 "	10.35	13.03	14.21	9.07	13.07	6.70	7.21

VI. THE MARKETING OF THE CROP.

The carry forward was 900,000 Bushels, and with the 1937-38 crop a total of 44,300,000 Bushels was available. 3,300,000 bushels are required for seed and probably 4,700,000 bushels for Home consumption, including feed for stock and a three months' supply carry forward before the next crop is matured; less this 8 million the balance available for export was approximately 36,300,000 bushels.

To date of this Bulletin, it is estimated that over 20,000,000 has been exported leaving a balance available for shipping of 16,000,000 bushels.

VII. 5 MONTHS OVERSEA EXPORTS (December 1937 to April 1938). The principal countries to which cereals have been exported this season compared with last season are as follows :- WHEAT (bushels) United Kingdom 5,607,257 (5,431,318), Japan Nil (18,425), Italy Nil (1,227,863), Russia 1,625,765 (nil), For orders 5,780,435 (Nil).  
FLOUR (tons) United Kingdom 21,451 (20,112), Egypt 3,707 (2,793).  
BARLEY (bushels) United Kingdom 3,324,066 (1,061,464), Belgium 293,632 (268,930), New Zealand 318,964 (72,684), Japan 4,420 (343,874).

VIII. AREA INTENDED TO BE CROPPED, 1938-39.

Particulars have been received from farmers in all Hundreds of the State as to the Areas intended to be sown for the 1938-39 season. These indicate that the following areas were intended to be sown for grain, hay and fodder - Wheat 3,360,000 acres and Oats 760,000 acres, being practically the same as last year, while Barley 365,000 acres gives an expected increase of 30,000 acres.

A. W. BOWDEN,

Statistical Office,  
ADELAIDE.  
18th May, 1938.

GOVERNMENT STATIST.



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## 1. ACREAGE CROPPED.

Divisions	Total Wheat Barley Oats	G R A I N			Hay (W.B.O.)	Fed off Areas (W.B.O.)
		Wheat	Barley	Oats		
	Acres	Acres	Acres	Acres	Acres	Acres
Central	997,643	530,024	249,353	36,623	160,778	20,865
Lower North	1,021,021	774,769	79,927	29,608	113,829	22,883
Upper North	330,680	301,065	1,179	3,327	24,229	880
South Eastern	101,909	41,676	12,403	20,376	24,763	2,691
Western	1,140,822	824,181	26,433	161,458	102,019	26,731
Murray Mallee	954,644	689,479	36,735	80,870	117,739	29,821
Total 1937-38	4,546,719	3,161,194	406,030	332,262	543,357	103,876
Total 1936-37	4,412,088	3,058,457	304,559	414,723	525,445	108,904
Increase or Decrease	134,631	102,737	101,471	-82,461	17,912	-5,028

## 2. PRODUCTION OF GRAIN AND HAY.

Divisions	G R A I N						Hay
	Wheat		Barley		Oats		(W.B.O.)
	Bush.	Av.	Bush.	Av.	Bush.	Av.	Tons
Central	8,765,768	16.54	5,506,473	22.08	495,660	13.53	235,768
Lower North	14,235,492	18.37	1,737,680	21.74	527,915	17.83	176,869
Upper North	3,922,305	13.03	22,925	19.44	56,835	17.08	32,747
South Eastern	855,301	20.52	243,596	19.64	391,529	19.22	31,964
Western	7,713,084	9.36	443,974	16.80	987,474	6.12	77,654
Murray Mallee	7,911,313	11.47	446,877	12.16	535,437	6.62	101,295
Total 1937-38	43,403,263	13.73	8,401,525	20.69	2,994,850	9.01	656,293
Total 1936-37	28,714,653	9.39	4,260,462	13.99	2,363,806	5.70	473,435
Increase or Decrease	14,688,610	4.34	4,141,063	6.70	631,044	3.31	177,858

## 3. FIVE YEARS' COMPARISON.

Year	W H E A T			Rainfall Agric. April- Nov.	Value of Oversea Exports	
	Area	Yield	Aver. per Acre		Wheat & Flour	Barley
	Acres	Bush.	Bush.	Inches	£	£
1932-33	4,066,782	42,429,614	10.43	14.70	5,225,173	319,877
1933-34	3,821,795	35,373,466	9.26	12.15	2,731,285	294,071
1934-35	3,188,225	27,455,600	8.61	11.97	4,139,633	345,550
1935-36	2,989,490	31,615,744	10.58	12.08	4,510,137	352,265
1936-37	3,058,457	28,714,653	9.39	10.00	4,944,881	432,079
Mean	3,424,950	33,117,815	9.65	12.21	4,310,222	348,768
1937-38	3,161,194	43,403,263	13.73	11.78	5,310,904a	696,761a

(a) Ten Months.

A. W. BOWDEN,

Statistical Office,

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18th May, 1938.

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